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PTO/SB/08a (09-03)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 12

Application Number	10/625,840
Filing Date	July 23, 2003
First Named Inventor	David M. Haugen
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0116.C1
Customer No.	36735
Submission Date	January 13, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>gzw</i>	A1	US-2,167,338	07-25-1939	Murcell	<i>Class</i>
	A2	US-2,226,503	01-14-1941	Boyd, et al.	
	A3	US-2,370,832	03-06-1945	Baker	
	A4	US-2,379,800	07-03-1945	Hare	
	A5	US-2,414,719	01-21-1947	Cloud	
	A6	US-2,720,267	10-11-1955	Brown	
	A7	US-2,741,907	06-06-1957	Genender, et al.	
	A8	US-3,008,415	10-31-1961	Burns, et al.	
	A9	US-3,041,901	07-03-1962	Knights	
	A10	US-3,054,100	09-11-1962	Jones	
	A11	US-3,090,031	05-14-1963	Lord	
	A12	US-3,111,179	11-19-1963	Albers, et al.	
	A13	US-3,117,636	01-24-1964	Wilcox, et al.	
	A14	US-3,124,023	3-10-1964	Marquis, et al.	
	A15	US-3,131,769	05-05-1964	Rochemont	
<i>gzw</i>	A16	US-3,163,146	07-06-1966	Kennedy, et al.	
	A17	US-3,419,079	12-31-1968	Current	
	A18	US-3,548,936	12-22-1970	Kilgore, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
<i>gzw</i>	B1	CA 2 335 192	11-30-2001	Kozak		
	B2	DE 3 523 221	02-01-1987	Svetozar		
	B3	DE 3 918 132	12-14-1989	Eriksson		
	B4	EP 0 474 481	03-11-1992	Moody		
	B5	EP 0 087 373	08-31-1983	Plaquin		

Examiner

Date Considered *4/13/05*

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** previously cited on PTO-1449 (12082003)*

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PTO/55 (3-03)

Approved for use through 6/30/2004. OMB 0551-0001

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 2

of 12

Application Number	10/625,840
Filing Date	July 23, 2003
First Named Inventor	David M. Haugen
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0116.C1
Customer No.	36735
Submission Date	January 13, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Sub
		Number-Kind Code ² (if known)				
SW	A19	US-3,552,507	01-05-1971	Brown		
	A20	US-3,552,848	01-05-1971	Van Wagner		
	A21	US-3,666,636	03-02-1971	Walter		
	A22	US-3,602,302	08-31-1971	Kluh		
	A23	US-3,606,664	09-21-1971	Weiner		
	A24	US-3,695,106	01-10-1972	Dickmann, et al.		
	A25	US-3,680,412	08-01-1972	Mayer, et al.		
	A26	US-3,691,825	09-10-1972	Dyne		
	A27	US-3,696,332	10-03-1972	Dickson, Jr., et al.		
	A28	US-3,778,320	12-04-1973	Brown		
	A29	US-3,778,984	12-04-1973	Moraw		
	A30	US-3,840,694	11-10-1974	Weet		
	A31	US-3,867,460	12-01-1974	Guler		
	A32	US-3,910,687	10-01-1975	Strongy, et al.		
	A33	US-4,054,332	10-18-1977	Bryan, Jr.		
	A34	US-4,095,885	06-20-1978	Denison, et al.		
	A35	US-4,127,927	12-05-1978	Hauk, et al.		
	A36	US-4,194,383	03-25-1980	Huzyak		

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		Number-Kind Code ² (if known)				
SW	B6	EP 0 162 000	11-21-1985	Hamilton		
	B7	EP 0 171 144	02-12-1986	Stringfellow, et al.		
	B8	EP 0 285 386	10-05-1988	Haney		
	B9	EP 0 426 123	05-08-1991	Reis, et al.		
	B10	EP 0 525 247	02-03-1993	Willis		

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Date Considered

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* previously cited on PTO 449 (208203)



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 3

of 12

Application Number	10/625,840
Filing Date	July 23, 2003
First Named Inventor	David M. Haugen
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0116.C1
Customer No.	36735
Submission Date	January 13, 2005

U.S. PATENT DOCUMENTS

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		Number-Kind Code ² (if known)			
	A37	US-4,227,197	10-07-1980	Nimmo, et al.	
	A38	US-4,241,878	12-30-1980	Underwood	
	A39	US-4,277,197	07-07-1981	Bingham	
	A40	US-4,280,380	07-28-1981	Eshghy	
	A41	US-4,311,195	01-19-1982	Mullins, II	
	A42	US-4,392,534	07-12-1983	Milda	
	A43	US-4,407,378	10-04-1983	Thomas	
	A44	US-4,427,063	01-24-1984	Skinner	
	A45	US-4,437,063	03-20-1984	Haynes	
	A46	US-4,445,734	05-01-1984	Cunningham	
	A47	US-4,449,506	05-22-1984	Boydjell	
	A48	US-4,494,484	01-28-1985	Belee	
	A49	US-4,502,088	07-16-1985	Boydjell, et al.	
	A50	US-4,670,206	02-18-1986	Foguet	
	A51	US-4,592,125	08-03-1986	Skene	
	A52	US-4,598,274	06-10-1986	Shiro	
	A53	US-4,605,268	08-12-1986	Meador	
	A54	US-4,605,258	12-02-1986	Boydjell	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Figures Appear	T ³
		Number-Kind Code ² (if known)				
	B11	EP 0 589 823	03-03-1994	Busink, et al.		
	B12	EP 0 659 975	06-28-1995	Nagaoka, et al.		
	B13	EP 0 790 386	08-20-1997	Newton, et al.		
	B14	EP 0 881 354	04-24-1998	Vercaemen, et al.		
	B15	EP 0 982 384	12-08-1999	Poldervaart		

Examiner *Initial*Date Considered *4/13/05*

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*previously cited in PTO 1449 (2082003)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4

of 12

Application Number	10/625,840
Filing Date	July 23, 2003
First Named Inventor	David M. Haugen
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0116.C1
Customer No.	36735
Submission Date	January 13, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Figures Appear
yzw.	A55	US-4,846,827	03-03-1987	Cobb	1-10
	A56	US-4,640,777	09-17-1987	Buck	1-10
	A57	US-4,667,752	05-26-1987	Berry, et al.	1-10
	A58	US-4,876,312	06-30-1987	Mosing, et al.	1-10
	A59	US-4,683,962	08-04-1987	True	1-10
	A60	US-4,691,587	09-08-1987	Farrand, et al.	1-10
	A61	US-4,709,599	12-01-1987	Buck	1-10
	A62	US-4,709,766	12-01-1987	Boydjef	1-10
	A63	US-4,738,145	04-19-1988	Vincent, et al.	1-10
	A64	US-4,742,876	05-10-1988	Barthelemy, et al.	1-10
	A65	US-4,733,230	07-26-1988	Hamilton, et al.	1-10
	A66	US-4,735,404	08-26-1988	Boydjef	1-10
	A67	US-4,773,683	09-27-1988	Walters	1-10
	A68	US-4,775,009	10-04-1988	Wittrich, et al.	1-10
	A69	US-4,781,359	11-01-1988	Matus	1-10
	A70	US-4,788,544	11-29-1988	Howard	1-10
	A71	US-4,790,300	12-08-1988	Krasnov	1-10
	A72	US-4,793,422	12-27-1988	Krasnov	1-10

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Figures Appear	T ³
yzw.	B16	EP 1 256 691	11-13-2003	Hawkins, et al.		
	B17	FR 2 841 293	12-26-2003	Bouygues Offshore		
	B18	GB 2 115 940	09-14-1983	Plaquin		
	B19	GB 2 224 481	09-05-1990	Voeten		
	B20	GB 2 275 486	04-15-1993	Elane, et al.		

Examiner

Date Considered 4/13/05

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* previously cited PTO 1449 (12082003)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 6

of 12

Application Number	10/625,840
Filing Date	July 23, 2003
First Named Inventor	David M. Haugen
Group Art Unit	3672
Examiner Name	Unknown
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		Number-Kind Code ² (if known)			
ZW ↓	A91	US-5,271,488	12-21-1993	Streich, et al.	class Figures appear Sub
	A92	US-5,305,839	04-26-1994	Kalsi, et al.	
	A93	US-5,332,043	07-26-1994	Ferguson	
* ZW ↓	A94	US-5,351,767	10-04-1994	Grogan, et al.	
	A95	US-5,600,851	02-14-1995	Berry	
	A96	US-5,394,823	03-07-1995	Lenze	
* ZW ↓	A97	US-5,433,079	07-18-1995	Dressen, et al.	
	A98	US-5,494,122	02-27-1996	Larsen, et al.	
	A99	US-5,500,085	03-20-1996	Hasty	
* ZW ↓	A100	US-5,569,094	04-02-1996	Chen, et al.	
	A111	US-5,540,279	07-30-1996	Branch, et al.	
	A112	US-5,542,472	08-06-1996	Pringle, et al.	
* ZW ↓	A113	US-5,542,473	08-06-1996	Pringle, et al.	
	A114	US-5,555,036	09-10-1996	Smith, Jr., et al.	
	A115	US-5,579,566	11-26-1996	Abdighani, et al.	
* ZW ↓	A116	US-5,576,181	07-08-1997	Trevett	
	A117	US-5,706,894	01-13-1998	Hawkins, III	
	A118	US-5,791,440	09-11-1998	Costello, et al.	

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		Number-Kind Code ² (if known)				
ZW ↓	B26	GB 709 365	05-19-1954	Standard Oil Development		
	B27	GB 716 761	10-13-1954	Standard Oil Development		
	B28	GB 881 358	11-01-1961	Kammerer, et al.		
* ZW ↓	B29	GB 2 350 137	11-22-2000	Baugh, et al.		
	B30	RU 2 079 633	05-20-1997	Abdrakhmanov		

Examiner	<i>[Signature]</i>	Date Considered	4/13/05
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	A110	US-6,803,185	09-08-1998	Medinoloch	10/20 Sub
3.W.	A120	US-5,813,456	08-29-1998	Milner, et al.	
3.W.	A121	US-5,836,285	11-17-1998	Baugh	
	A122	US-5,839,515	11-24-1998	Yuan, et al.	
	A123	US-5,850,877	12-22-1998	Albright, et al.	
	A124	US-5,907,664	05-25-1999	Wang, et al.	
	A125	US-5,908,766	06-08-1999	Calamandrei et al.	
3.W.	A126	US-5,971,086	10-26-1999	Bee, et al.	
	A127	US-5,984,007	11-16-1999	Yuan, et al.	
	A128	US-5,988,273	11-23-1999	Monjure, et al.	
	A129	US-6,056,665	05-02-2000	Abramowitz et al.	
3.W.	A130	US-6,070,506	06-06-2000	Diack et al.	
	A131	US-6,079,498	06-27-2000	Lima, et al.	
	A132	US-6,079,509	08-27-2000	Bee, et al.	
	A133	US-6,142,545	11-07-2000	Penman, et al.	
	A134	US-6,161,617	12-19-2000	Gledabo	
	A135	US-6,173,777	01-16-2001	Mullins	
	A136	US-6,199,444	03-19-2001	Dowling, et al.	

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	B31	WO 00/09429	07-06-2000	Perkins		
	B32	WO 00/09430	07-06-2000	Perkins		
3.W.	B33	WO 00/46484	08-10-2000	Van Buren, et al.		
	B34	WO 00/65879	11-09-2000	Hawkins, et al.		
	B35	WO 02/081863	10-17-2002	Simpson, et al.		

Examiner

Date Considered

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a previously cited on 1449 (12082003)

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 8

of 12

Application Number	10/625,840
Filing Date	July 23, 2003
First Named Inventor	David M. Haugen
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0116.C1
Customer No.	36735
Submission Date	January 13, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
[Signature]	A137	US-6,223,823	05-01-2001	Head	[Signature] Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A138	US-6,227,587	05-08-2001	Terral	
	A139	US-6,275,938	08-14-2001	Bond, et al.	
	A140	US-6,290,432	09-18-2001	Exley, et al.	
	A141	US-6,305,469	10-23-2001	Coenen, et al.	
	A142	US-6,309,002	10-30-2001	Boulligny	
	A143	US-6,349,764	02-26-2002	Adams, et al.	
	A144	US-6,360,633	03-26-2002	Pietras	
	A145	US-6,367,566	04-09-2002	Hill	
	A146	US-6,374,506	04-23-1993	Clay	
	A147	US-6,392,317	05-21-2002	Hall, et al.	
	A148	US-6,429,784	08-06-2002	Belque, et al.	
	A149	US-6,431,626	03-13-2002	Boulligny	
	A150	US-6,446,723	09-10-2002	Remons, et al.	
	A151	US-6,622,796	09-23-2003	Pietras	
[Signature]	A152	US-6,648,075	11-18-2003	Badrak, et al.	
	A153	US-6,688,394	02-10-2004	Ayling	
	A154	US-6,691,601	02-17-2004	Juhasz, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	†*
		Number-Kind Code ² (if known)				
[Signature]	B36	WO 02/44801	06-06-2002	Appleford, et al.		
	B37	WO 03/087525	10-23-2003	Vincent, et al.		
	B38	WO 93/07358	04-15-1993	Eiano, et al.		
	B39	WO 96/18799	06-20-1996	Stokka		
	B40	WO 98/05844	02-12-1998	Stokka		

Examiner

Date Considered

4/13/05

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 9

of 12

Application Number	10/625,840
Filing Date	July 23, 2003
First Named Inventor	David M. Haugen
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0116.C1
Customer No.	36735
Submission Date	January 13, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
ZW	A155	US-6,698,595	03-02-2004	Norell, et al.	1-5 Figures Appear	346
ZW	A156	US-6,725,938	04-27-2004	Pattee		
	A157	US-6,742,596	06-01-2004	Haugen		
	A158	US-6,742,606	06-01-2004	Metcalf, et al.		
	A159	US-2002/0070842	04-17-2003	Bailey, et al.		
	A160	US-2002/0108748	08-15-2002	Keyes		
	A161	US-2003/0029641	02-13-2003	Meehan		
	A162	US-2003/0056947	03-27-2003	Cameron		
	A163	US-2003/0164250	09-04-2003	Wardley		
	A164	US-2003/0164251	09-04-2003	Tulloch		
	A165	US-2003/0173090	09-18-2003	Cook, et al.		
	A166	US-2003/0213598	11-20-2003	Hughes		
	A167	US-2004/0003944	01-08-2004	Vincent, et al.		
	A168	US-2004/0004405	01-01-2004	Fournier, Jr., et al.		
	A169	US-2004/0011534	01-22-2004	Simonds, et al.		
	A170	US-2004/0060697	04-01-2004	Tilton, et al.		
	A171	US-2004/0069500	04-15-2004	Haugen		
	A172	US-2004/0079533	04-29-2004	Buytaert, et al.		

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
*	B41	WO 98/04442	03-10-1998	Gjovdals		
*	B42	WO 99/02048	07-06-1998	Bintner		
ZW	B43	WO 99/35368	07-15-1999	Lohbeck, et al.		
*	B44	WO 99/04445	03-19-1999	Bintner		
ZW	B45	WO 99/58810	11-18-1999	Abrahamsen, et al.		

Examiner

Date Considered

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* previously cited PTO-1449 (06102004)



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 10

of 12

Application Number	10/625,840
Filing Date	July 23, 2003
First Named Inventor	David M. Haugen
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0116.C1
Customer No.	36735
Submission Date	January 13, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Figures Appear
SW	A173	US-2004/0106142	06-10-2004	Vail, III	Class Figures appear sub
	A174	US-2004/0112646	06-17-2004	Vail	
	A175	US-2004/0118613	06-24-2004	Vail	
	A176	US-2004/0123984	07-01-2004	Vail	
	A177	US-2004/0124015	07-01-2004	Vallie, et al.	
	A178	US-2004/0129456	07-08-2004	Vail	
	A179	US-2004/0140128	07-22-2004	Vail	
	A180	US-2004/0173358	09-09-2004	Haugen	
	A181	US-2004/0216925	11-04-2004	Metcalf, et al.	
	A182	US-2004/0112646	06-17-2004	Vail	
	A183	US-Re 34,063	09-15-1992	Vincant, et al.	
	A184	US-			
	A185	US-			
	A186	US-			
	A187	US-			
	A188	US-			
	A189	US-			
	A190	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	*†
SW	B46	FR 2741907	06-06-1997	Leighton		
	B47					
	B48					
	B49					
	B50					

Examiner

Date Considered

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 11

of 12

Application Number	10/625,840
Filing Date	July 23, 2003
First Named Inventor	David M. Haugen
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0116.C1
Customer No.	36735
Submission Date	January 13, 2005

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
zlw.		DETLEF HAHN, FRIEDHELM MAKOHL, and LARRY WATKINS, Casing-While Drilling System Reduces Hole Collapse Risks, Offshore, Pages 54, 56, and 59, February 1998	
		YAKOV A. GELFGAT, MIKHAIL Y. GELFGAT and YURI S. LOPATIN, Retractable Drill Bit Technology - Drilling Without Pulling Out Drillpipe, Advanced Drilling Solutions Lessons From the FSU; June 2003; Vol. 2, pps. 351-464	
		TOMMY WARREN, SPE, BRUCE HOUTCHENS, SPE, GARRET MADELL, SPE, Directional Drilling With Casing, SPE/IADC 79914, Tesco Corporation, SPE/IADC Drilling Conference 2003	
		LaFleur Petroleum Services, Inc., "Autoseal Circulating Head," Engineering Manufacturing, 1992, 11 Pages	
		Valves Wellhead Equipment Safety Systems, W-K-M Division, ACF Industries, Catalog 80, 1980, 5 Pages	
		Canrig Top Drive Drilling Systems, Harts Petroleum Engineer International, February 1997, 2 Pages	
		The Original Portable Top Drive Drilling System, TESCO Drilling Technology, 1997	
		MIKE KILLALEA, Portable Top Drives: What's Driving The Market?, IADC, Drilling Contractor, September 1994, 4 Pages	
		500 or 650 ECIS Top Drive, Advanced Permanent Magnet Motor Technology, TESCO Drilling Technology, April 1998, 2 Pages	

Examiner

Date Considered

4/13/05

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Substitute for form 1449B/PTO			Application Number	10/625,840	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Filing Date	July 23, 2003	
			First Named Inventor	David M. Haugen	
			Group Art Unit	3672	
			Examiner Name	Unknown	
			Attorney Docket Number	WEAT/0116.C1	
			Customer No.	36735	
Sheet	12	of	12	Submission Date	January 13, 2005

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/625,840
Filing Date	July 23, 2003
First Named Inventor	David M. Haugen
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0116.C1
Customer No.	36735
Submission Date	January 13, 2005

[illegible]

Examiner

Date Considered

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Approved for use through 07/31/2008, OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

Application Number	10/625,840
Filing Date	July 23, 2003
First Named Inventor	David M. Haugen
Group Art Unit	3672
Examiner Name	Unknown
Attorney Docket Number	WEAT/0116.C1
Submission Date	

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JW	A2	6,423,241	09-02-2002	Juhasz, et al	Class Figures Appear Sub
	A1	6,536,520	03-25-2003	Snider, et al	
	A3	6,725,938	04-27-2004	Pietras	
	A4	US-			
	A5	US-			
	A6	US-			
	A7	US-			
	A8	US-			
	A9	US-			
	A10	US-			
	A11	US-			
	A12	US-			
	A13	US-			
	A14	US-			
	A15	US-			
	A16	US-			
	A17	US-			
	A18	US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Number-Kind Code ² (if known)				
	B1					
	B2					
	B3					
	B4					
	B5					

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U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. WEAT/0116.C1	Serial No. 10/625,840
LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT		Applicant David M. Haugen	Confirmation No.: 8946
(Use several sheets if necessary)		Filing Date July 23, 2003	Group 3672
Examiner Unknown			

U.S. Patent Documents

*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
ZW	A1	6,431,626	03-13-2002	Bouligny	294	86.25	
	A2	6,412,554	07-02-2002	Allen et al.	166	80.1	
	A3	6,360,633	03-26-2002	Pietras	81	57.34	
	A4	6,349,764	02-26-2002	Adams et al.	166	77.53	
	A5	6,311,792	11-06-2001	Scott et al.	175	162	
	A6	6,309,002	10-30-2001	Bouligny	294	86.25	
	A7	6,199,641	01-13-2001	Downie et al.	173	55	
	A8	6,070,500	06-06-2000	Dlask et al.	81	57.33	
	A9	6,056,060	6,000,472	Albright et al.	166	380	
	A10	6,000,472	12-14-1999	Albright et al.	166	380	
	A11	5,971,079	10-26-1999	Mullins	166	387	
	A12	5,909,768	06-08-1999	Castille et al.	166	77.1	
	A13	5,836,395	11-17-1998	Budde	166	321	

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*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
ZW	B1	WO 00/39430	07-06-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B2	WO 00/39429	07-06-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B3	WO 00/11311	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B4	WO 00/11310	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B5	WO 00/11309	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>

*Examiner Initial Including Author, Title, Date, Pertinent Pages, Etc.

ZW	C1	Autoseal Circulating Head; LaFleur Petroleum Services; 1992					
	C2	Valves, Wellhead Equipment, Safety System; W-K-M Division, ACF Industries, 1980					
	C3	Top Drive Drilling Systems, Canrig, Feb. 97 In Hart's Petroleum Engineer					
Examiner	Date Considered 4/13/05						

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U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)				Docket No. WEAT/0116.C1		Serial No. 10/625,840	
LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT				Applicant David M. Haugen		Confirmation No.: 8946	
(Use several sheets if necessary)				Filing Date July 23, 2003		Group 3672	
Examiner Unknown							

DEC 10 8 2003
U.S. PATENT & TRADEMARK OFFICE

U.S. Patent Documents							
*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate	
3W	A14	5,803,191	09-08-1998	Mackintosh	175	170	
	A15	5,791,410	08-11-1998	Castille et al.	166	77.1	
	A16	5,735,348	04-07-1998	Hawkins, III	166	285	
	A17	5,645,131	07-08-1997	Trevisani	175	171	
	A18	5,584,343	12-17-1996	Coone	166	387	
	A19	5,577,568	11-26-1996	Albright et al.	175	321	
	A20	5,553,672	09-10-1996	Smith, Jr. et al.	166	382	
	A21	5,503,234	04-02-1996	Clanton	175	52	
	A22	5,501,286	03-26-1996	Berry	175	52	
	A23	5,433,279	07-18-1995	Tessari et al.	173	213	
	A24	5,388,651	02-14-1995	Berry	175	85	
	A25	5,351,767	10-04-1994	Stogner et al.	175	162	
	A26	5,297,833	03-29-1994	Willis, et al.	294	102.2	

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*Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation		
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3W	B6	WO 00/05483	02-03-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B7	2 357 530	06/27/2001	GB	E21B	19/07	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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	B10	EP 0 659 975	06-28-1995	EP	E21B	43/08	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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3W	C4	More Portable Top Drive Installations, Tesco Drilling Technology, 1997
	C5	Portable Top Drives, Drilling Contractor, Cover & 3pp. Sept. 1994
	C6	500 or 650 HCIS TOP DRIVE, Tesco Drilling Technology, 4/98
Examiner	Date Considered 4/13/05	

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U.S. Department of Commerce, Patent and Trademark Office				Docket No.		Serial No.	
(PTO Form 1449 modified)				WEAT/0116.C1		10/625,840	
LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT				Applicant David M. Haugen		Confirmation No.: 8946	
(Use several sheets if necessary)				Filing Date		Group	
Examiner Unknown				July 23, 2003		3672	
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*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
zw	A27	5,282,653	02-01-1994	LaFleur et al.	285	110	
	A28	5,255,751	10-26-1993	Stogner	175	203	
	A29	5,251,709	10-12-1993	Richardson	175	220	
	A30	5,191,939	03-09-1993	Stokley	166	379	
	A31	5,036,927	08-06-1991	Willis	175	162	
	A32	5,009,265	04-23-1991	Bailey et al.	166	118	
	A33	4,997,042	03-05-1991	Jordan et al.	166	379	
	A34	4,878,546	11-07-1989	Shaw et al.	173	163	
	A35	4,867,236	09-19-1989	Haney et al.	166	77.5	
	A36	4,836,064	06-06-1989	Slator	81	57.18	
	A37	4,813,493	03-21-1989	Shaw et al.	173	164	
	A38	4,800,968	01-31-1989	Shaw et al.	175	85	
	A39	4,793,422	12-27-1988	Krasnov	175	57	
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zw	B11	WO 96/18799	06-20-1996	WIPO	E21B	19/16	<input type="checkbox"/> <input checked="" type="checkbox"/>
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	B13	0 525 247 A1	02-03-1993	EP	E21B	3/02	<input type="checkbox"/> <input checked="" type="checkbox"/>
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	B15	0 171 144 A1	02-12-1986	UK	B66C	1/56	<input type="checkbox"/> <input checked="" type="checkbox"/>
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zw	C7	500 or 650 ECIS TOP DRIVE, Tesco Drilling Technology, 4/98					
zw	C8	Product information, (Sections 1-10) Canrig, 1996					
	C9						
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(PTO Form 1449 modified)				WEAT/0116.C1		10/625,840		
LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT								
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ZW	A40	4,791,997	12-20-1988	Krasnov	175	57		
	A41	4,773,689	09-27-1988	Wolters	294	88		
	A42	4,765,401	08-23-1988	Boyadjieff	166	77.53		
	A43	4,742,876	05-10-1988	Barthelemy et al.	175	7		
	A44	4,762,187	08-09-1988	Haney	175	171		
	A45	4,759,239	07-26-1988	Hamilton et al.	81	57.34		
	A46	4,709,599	12-01-1987	Buck	81	57.18		
	A47	4,683,962	08-04-1987	True	173	163		
	A48	4,676,312	06-30-1987	Mosing et al.	166	77		
	A49	4,649,777	03-17-1987	Buck	81	57.19		
	A50	4,625,796	12-02-1986	Boyadjieff	166	77.5		
	A51	4,605,077	08-12-1986	Boyadjieff	175	85		
A52	4,604,724	08-05-1986	Shaginian et al.	700	213			
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ZW	B16	EP 01 62000A1	11-21-1985	EP	E21B	19/06	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B17	WO 98/11322	09-19-1998	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Examiner <i>ZW</i>				Date Considered 4/13/05				
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Bjw	A53	4,593,773	06-10-1986	Skeie	175	85	
	A54	4,570,706	02-18-1986	Pugnet	166	77.5	
	A55	4,529,045	07-16-1985	Boyadjieff et al.	173	164	
	A56	4,494,424	01-22-1985	Bates	81	57.18	
	A57	4,449,596	05-22-1984	Boyadjieff	175	85	
	A58	4,437,363	03-20-1984	Haynes	81	57.18	
	A59	4,320,915	03-23-1982	Abbott et al.	294	96	
	A60	4,100,968	07-18-1978	Delano	166	315	
	A61	3,913,687	10-21-1975	Gyongyosi et al.	175	85	
	A62	3,857,450	12-31-1974	Guier	175	85	
	A63	3,848,684	11-19-1974	West	175	195	
	A64	3,776,991	12-04-1973	Marcus	264	89	
✓	A65	3,766,320	10-16-1973	Homme	179	5R	

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Examiner	Bjw	Date Considered	4/12/05
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LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT				Applicant David M. Haugen		Confirmation No.: 8946	
(Use several sheets if necessary)				Filing Date July 23, 2003		Group 3672	
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ZHU	A66	3,747,675	07-24-1973	Brown	166	237	
	A67	3,691,825	09-19-1972	Dyer	73	136A	
	A68	3,635,105	01-18-1972	Dickmann et al.	81	57.18	
	A69	3,570,598	03-16-1971	Johnson	166	178	
	A70	3,586,505	03-02-1971	Martin	29	200	
	A71	3,380,528	04-30-1968	Timmons	166	14	
	A72	3,193,116	07-06-1965	Kennedy et al.	214	2.5	
	A73	3,041,901	07-03-1962	Knights	81	53	
	A74	1,917,135	07-04-1933	Littell	294	86.15	
	A75	2002/0134555 A1		Allen et al.	166	377	12-07-2001
V	A76	2001/0042625		Appleton	166	379	07-30-2001
	A77						
	A78						

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Examiner ZHU	Date Considered 4/13/05
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